

# Panasonic

ideas for life



2006

**DIGITAL CAMERA**



# LUMIX

# Beautiful, Wide

— Expansive Images Even When Shooting in Tight

**35mm\***  
MEGA O.I.S. OFF



Great wide shots of vast landscapes



35mm

MEGA O.I.S. OFF



28mm

MEGA O.I.S. ON

Self-portraits with plenty of background scenery



35mm

MEGA O.I.S. OFF



28mm

MEGA O.I.S. ON

## Intelligent Image Stabiliser

Automatically Reduces Both Hand-Shake and Motion Blur



Taking Hand-Shake Out of the Picture

**MEGA O.I.S.**  
(Optical Image Stabiliser)

Jitter from shaky hands is far and away the biggest single cause of blurry shots. LUMIX cameras help solve this problem with an advanced optical image stabilising system that we call MEGA O.I.S. This system uses built-in gyrosensors to detect even tiny camera movement and then shifts a lens in the opposite direction to compensate. The system is completely optical - it does not affect the CCD or image processing - so you get sharp, clear images without deterioration. It lets you reduce the shutter speed more than 3 steps below\* the conventionally accepted hand-shake limit, which is calculated as 1/focal length (1 divided by the focal length). It helps achieve high-quality images in a wide range of shooting conditions such as telephoto, macro or low illumination; for situations from spur-of-the-moment shots, to self-portraits, or capturing images outdoors at night.

\*Varies with the shooting conditions.



Reducing Blur Caused by a Subject Moving

**INTELLIGENT ISO CONTROL**

FZ50, LX2, FX50, and FX07 feature the world's first\* "Intelligent ISO Control" in ISO sensitivity setting, which uses a circuit within Venus Engine III to detect movement within the frame and helps you get blur-free shots by automatically adjusting the ISO sensitivity (up to ISO 800) and shutter speed according to how much the subject is moving. This helps you freeze unpredictable moving subjects, and catch decisive moments that happen all of a sudden. \*As of July 19th, 2006.

### High Sensitivity Shooting for Less Motion Blur

Models with the Venus Engine III provide up to ISO 1600\* at full resolution, minimising motion blur to capture clear shots with low-noise. The Scene mode features a High Sensitivity Mode\*\* for shooting at even higher shutter speeds. \*FZ50 and LX2. Up to ISO 1250 in the FX50 and FX07, and ISO 800 in the TZ1. \*\*Not provided on the LS2. Note that resolution is significantly lower in this mode.

### Stylish Compact



FX50



FX07



FX01



FX3



LX2



LZ5



LZ3



LS2

### Creative Compact

### Run on Two AA Batteries

# e 28mm\* Shots

ht Places. Clear, Sharp Shots in Dim Lighting. ———



**28mm\***  
MEGA O.I.S. **ON**



Group shots that get everyone in the picture



35mm

MEGA O.I.S. OFF



28mm

MEGA O.I.S. ON

Wide views of beautiful interiors



35mm

MEGA O.I.S. OFF



28mm

MEGA O.I.S. ON

## Renders Superb, True-to-Life Images with Stunning Beauty and Expressive Depth

Lightning Speed, Superb Performance

### VENUS ENGINE



**Venus Engine III** (featured on FZ50, LX2, FX50, FX07, TZ1)  
Analyses images, and makes it possible to shoot at higher ISO settings with less noise.



**Venus Engine II** (featured on FZ7)  
Maximises image quality when taking high-power zoom and wide-angle zoom shots.



**Venus Engine Plus** (featured on FX01, FX3, LZ5, LZ3, LS2)  
Brings the compact camera both a higher response speed and higher energy efficiency.



Clear Image Rendering with Minimal Distortion

### LEICA DC LENS

The high-quality Leica DC lens carries on the proud tradition of its namesake, the German camera maker renowned for lenses that combine superb performance with compact size. LUMIX cameras feature LEICA DC VARIO-ELMARIT lens. This lens system includes several aspherical lenses to compensate for spherical aberration. In addition, an advanced multi-coating process is applied to the lens surfaces to help prevent fogging caused by flare and ghosts that can occur at excessively high light levels.

\*Leica is a registered trademark of Leica Microsystems IR GmbH. Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.



Ultra Zoom



TZ1



FZ7



FZ50



L1

Digital SLR

LUMIX

\*35mm-lens equivalent



# Small 28mm Wide-Angle, 3.0" LCD and Beautiful Images

28mm\* Wide-Angle Lens, 3.0" LCD with Intelligent Image Stabiliser by MEGA O.I.S. and Intelligent ISO Control Let You Catch Clear Wide-Angle Shots



MEGA O.I.S. OFF

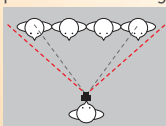


MEGA O.I.S. ON  
\*35mm-lens equivalent

## Bright F2.8, 28mm\* Wide-Angle LEICA DC VARIO-ELMARIT Lens

With its EA (extra-high refractive index aspherical) lens, the FX50 offers wide-angle shooting and a 3.6x optical zoom (35mm equivalent: 28 to 102mm). The wide angle conveys width and depth when shooting landscapes, and it's ideal for shooting group portraits in a small room. The FX50 also has the Extra Optical Zoom, which brings the zoom power up to 5.5x\*\* with minimal deterioration by magnifying the image using the center of the CCD.

\*35mm-lens equivalent \*\*Actual zoom power varies with the image size and aspect ratio



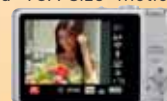
----- 28mm\* ----- 35mm\*

## Intelligent ISO Control Helps Avoid Motion Blur

In addition to low-noise shooting at up to ISO 1250 with full resolution, the FX50 features the world's first\* "Intelligent ISO Control" in ISO setting, which helps you get blur-free shots by automatically adjusting the ISO sensitivity (up to ISO 800) and shutter speed according to how much the subject is moving. The Scene mode features a High Sensitivity Mode (ISO 3200)\*\* for shooting at even higher shutter speeds. \*As of July 19th, 2006. \*\*Note that resolution is significantly lower in this mode

## High-Quality 3.0" LCD Shows You Big, Beautiful Images

The 3.0" LCD covers almost the entire camera back. The 230,000-pixel resolution guarantees clear, sharp images, and the pixel-mixed readout method of the CCD helps make even dark areas bright and easy to see. The dual-image playback display feature makes it easier to compare two images in detail to see the differences in focus accuracy and contrast. The out-of-frame display feature shows the image within a 2.5-inch frame while showing shooting information outside the frame. And VGA-size motion images in playback mode can be converted into a series of nine or just one snapshot. These smart features take advantage of the FX50's big, bright screen.



Out of frame display



Dual-image playback display

**Quick Response, with 1.3 second startup**  
**3 frames per second-MEGA BURST Consecutive Shooting**  
**Smooth Wide-Screen VGA Motion Images**

### (Standard Accessories)

• Battery Charger • Battery Pack • Battery Carrying Case  
• SD Memory Card (16MB\*) • AV Cable • AC Cable • USB Cable • Strap  
• CD-ROM \*1MB = 1 million bytes. Usable capacity will be less.



NEW

# FX50

Colour: -S (Silver)

3.6x  
Optical  
Zoom

7.2  
Megapixels

ISO  
1250

Full Resolution



LEICA  
DC LENS



### Basic Functions



### Shooting Modes (Mode Dial)

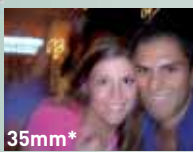


### SCN (Scene Mode)

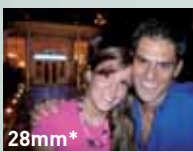


# Fashionable, Small 28mm\* Wide-Angle and Beautiful Images

Sleek and Stylish Camera with Intelligent Image Stabiliser by MEGA O.I.S. and Intelligent ISO Control Makes it Easy to Catch All the Beauty



MEGA O.I.S. OFF

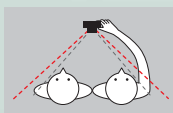


MEGA O.I.S. ON

\*35mm-lens equivalent

## Bright F2.8, 28mm Wide-Angle LEICA DC VARIO-ELMARIT Lens

The LEICA DC VARIO-ELMARIT lens featured on the FX07/FX01 employs an EA (extra-high refractive index aspherical) lens, making it possible to incorporate a 28mm wide-angle zoom into a compact camera. In addition, the Extra Optical Zoom feature gives you up to 5.5x zoom power\* (FX07) or 5.0x zoom power\* (FX01) by magnifying the image (with minimal deterioration) using the center part of the CCD. \*Actual zoom power varies with the image size and aspect ratio.



## Minimal Motion Blur with Intelligent ISO Control

In addition to low-noise shooting at up to ISO 1250\* with full resolution, the FX07 features the world's first\*\* "Intelligent ISO Control" in ISO sensitivity setting which helps you get blur-free shots by automatically adjusting the ISO sensitivity (up to ISO 800) and shutter speed according to how much the subject is moving. \*FX01: ISO 400 \*\*As of July 19th, 2006. Not equipped with the FX01

**NEW**  
**FX07**  
Colour: -S (Silver)  
**FX01**  
Colour: -S (Silver)



## 2.5" High-Resolution LCD for Brighter Viewing

With 207,000 pixels, the FX07/FX01's large 2.5" LCD shows bright, beautiful images that make it easy to frame the perfect shot. The LCD uses the pixel-mixed readout method, which automatically increases display brightness when you're shooting a dark scene. The High-Angle shooting function also provides easier viewing when you're holding the camera high to shoot over the heads of people in front of you.

## Up to 320 Shots Between Battery Charges

Thanks to the energy-saving Venus Engine III\* and a long-lasting battery, the slim DMC-FX07/FX01 takes shot after shot without running out of power. You can snap as many as 320\*\* shots on a single battery charge.

\*FX07 has Venus Engine III, FX01 has Venus Engine Plus. \*\*Measured using CIPA standards. Battery charge time is affected by storage and usage conditions and the interval between shots.

## Quick Response for More Shooting Fun

### (Standard Accessories)

- Battery Charger • Battery Pack • Battery Carrying Case
- SD Memory Card (16MB\*) • AV Cable • AC Cable • USB Cable
- Strap • CD-ROM \*1MB = 1 million bytes. Usable capacity will be less.



## Simple and Stylish and Beautiful Images

**NEW**  
**FX3**

Colour: -S (Silver)



### Basic Functions



### Shooting Modes (Mode Dial)



### SCN (Scene Mode)



### Accessory (Available as optional accessory)



\* Leica is a registered trademark of Leica Microsystems IR GmbH.

The Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

\* FX07 only.



# Full-Manual 12x Zoom Power and Beautiful Images

The Power to Create Unforgettable images with Intelligent Image Stabiliser

by MEGA O.I.S. and Intelligent ISO Control. Catch Once-in-a-lifetime Moments in Clear Focus



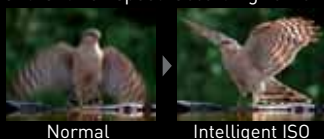
## LEICA DC VARIO-ELMARIT Lens with ED Lens and Super-Powerful 12x Optical Zoom

The FZ50's LEICA DC VARIO-ELMARIT lens features 14 elements in 10 groups, including 3 aspherical lenses and an ED (extra-low dispersion) lens which helps suppress the colour bleeding that can occur in telephoto shots, plus a 12x optical zoom (35mm equivalent: 35 to 420mm). The FZ50 also features Extra Optical Zoom, which gives you up to 21.4x power\* by magnifying (with minimal deterioration) the image using the center area of the high-resolution CCD.

\*Actual zoom power varies with the image size and aspect ratio.

## Intelligent ISO Control Forestalls Motion Blur

In addition to low-noise shooting at up to ISO 1600 with full resolution, the FZ50 features the world's first\* "Intelligent ISO Control" in ISO setting, which helps you get blur-free shots by automatically adjusting the ISO sensitivity (up to ISO 800) and shutter speed according to how much the subject is moving. The Scene mode features a High Sensitivity Mode (ISO 3200)\*\* for shooting at even higher shutter speeds. \*As of July 19th, 2006. \*\*Note that resolution is significantly lower in this mode



## Accurate, Flexible Focusing Both Auto and Manual

The switch on the lens barrel makes it easy to select from one of many settings: auto-focus, AF macro and manual focus. The FZ50 also has Manual Focus Assist, which makes it easier to focus by enlarging a part of the image that you see in the viewfinder or LCD monitor.

## Two Command Dials for Quick Settings

Two dials on the camera top make it easy to adjust the exposure setting while holding the camera to your eye. In Manual mode, one dial adjusts the aperture, the other adjusts the shutter speed. In Aperture Priority and Shutter Priority modes, one sets the aperture or shutter speed, the other sets the exposure compensation (-2 to +2 in 1/3 EV steps). The large right hand grip makes the camera easy to hold, and these dials are exactly where you need them.

## Intuitive Control with Manual Focus and Zoom Rings

Free-Angle 2.0" LCD with Wider Adjustment Range

Accepts external TTL flash

Two axis white balance adjustment setting (blue - amber, and magenta - green) RAW file compatible (editable with the included software "SILKYPIX Developer Studio")

## (Standard Accessories)

•Battery Charger •Battery Pack •SD Memory Card (32MB\*) •Lens Cap •Lens Hood •AV Cable •AC Cable •USB Cable •Strap •CD-ROM \*1MB = 1 million bytes. Usable capacity will be less.



NEW

# FZ50

Colour: -S (Silver), -K (Black)



### Basic Functions



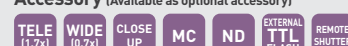
### Shooting Modes (Mode Dial)



### SCN (Scene Mode)



### Accessory (Available as optional accessory)



# Triple "Wide" Features and Beautiful Images

28mm\* Wide-Angle Lens, 16:9 Wide CCD and 16:9 Wide LCD with Intelligent Image Stabiliser by MEGA O.I.S. and Intelligent ISO Control For More Beauty, More Creativity



\*35mm-lens equivalent

## 28mm Wide-Angle LEICA DC lens with 16:9 Wide CCD & LCD

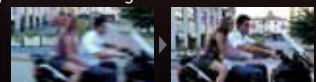
The DMC-LX2 features a 4x optical zoom with a wide 28mm field of view (35mm equivalent) when shooting in the 16:9 format at 10.2-megapixel resolution. This and the 16:9 CCD with 10.2 million effective pixels give you superb image quality over a wide shooting range. And perfectly proportioned for wide-screen images, a 16:9 wide 2.8" LCD with 207,000-pixel resolution is newly equipped. The Extra Optical Zoom, which minimises the image degradation that normally occurs with digital zooming, gives you up to 5.5x\*.

\*Varies depending on the selected image size and aspect ratio.

## Minimal Motion Blur with Intelligent ISO Control

In addition to low-noise shooting at up to ISO 1600 with full resolution, the LX2 features the world's first\* "Intelligent ISO Control" in ISO sensitivity setting which helps you get blur-free shots by automatically adjusting the ISO sensitivity (up to ISO 800) and shutter speed according to how much the subject is moving. The Scene mode features a High Sensitivity Mode (ISO 3200)\*\* for shooting at even higher shutter speeds.

\*As of July 19th, 2006. \*\*Note that resolution is significantly lower in this mode.



Normal

Intelligent ISO

## Easy-to-Use Joystick – Just Use Your Thumb

The joystick on the camera back lets you adjust the aperture, shutter speed, focus and exposure compensation while framing your shot on the LCD screen. Or simply press and hold the joystick, and you can also change the auto focus, light metering, white balance, ISO sensitivity, image size and image quality settings – all without taking your eyes from the monitor. There's no need to switch to the menu screen.



Two axis white balance adjustment setting (blue - amber, and magenta - green) 15 fps HD-VGA (1270 x 740 pixels) and 30 fps Wide VGA Motion Images RAW file compatible (editable with the included software "SILKYPIX Developer Studio") Convenient Built-in 13MB Memory

### (Standard Accessories)

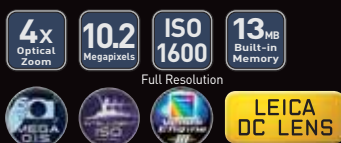
•Battery Charger •Battery Pack •Battery Carrying Case •Lens Cap •Lens Cap Strap •AV Cable •AC Cable •USB Cable •Strap •CD-ROM



NEW

# LX2

Colour: -S (Silver)



### Basic Functions



### Shooting Modes (Mode Dial)



### SCN (Scene Mode)

\* Leica is a registered trademark of Leica Microsystems IR GmbH.

The Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.



# Compact 12x Zoom and Beautiful Images

Small Camera with Dual Image Stabilisation Lets You Capture Clear Close-ups of Special Family Moments



1x Optical Zoom



12x Optical Zoom

## LEICA DC VARIO-ELMARIT Lens with a 12x Optical Zoom

Plus, the Extra Optical Zoom function, which magnifies the image with minimal deterioration, boosts the zoom power to a maximum 16.5x\*.

\*Varies depending on the selected image size and aspect ratio.

## Helps Prevent Motion Blur - High Sensitivity Mode\*

This is ideal for stopping the motion of moving subjects like children or pets to get clear, expressive shots even in insufficient lighting. \*Resolution significantly decreases.

## A Large, Bright 2.5" LCD

### with High Angle Mode and In-Line Style EVF

With Power LCD button for 140% brighter and High Angle shooting function for easier viewing from below.

## Fast, Precise Response for a High Zoom Model

The 1-point high-speed AF boasts industry-leading short shutter time lag, and you can also snap off up to 13 consecutive shots at 3 fps.

## Easy Manual Operation Using the Joystick

You can set the aperture, shutter speed and focus with your thumb while framing the shot on the LCD monitor.

### (Standard Accessories)

•Battery Charger •Battery Pack •SD Memory Card (16MB\*) •Lens Cap  
•Lens Hood •Hood Adapter •AV Cable •AC Cable •USB Cable •Strap  
•CD-ROM \*1MB = 1 million bytes. Usable capacity will be less.



# FZ7

Colour: -S (Silver), -K (Black)

12x  
Optical  
Zoom

6  
Megapixels



LEICA  
DC LENS

### Basic Functions



### Shooting Modes (Mode Dial)



### SCN (Scene Mode)



### Accessory (Available as optional accessory)



# Small 10x Zoom and Beautiful Images

Compact Camera with Dual Image Stabilisation Makes It Easy to Capture Beautiful Scenes from Your Vacation



1x Optical Zoom



10x Optical Zoom

## A Compact 10x Optical Zoom Using a Unique Prism — LEICA DC VARIO-ELMARIT Lens

Plus, the Extra Optical Zoom function, which magnifies the image with minimal deterioration, boosts the zoom power to a maximum 12.5x\*.

\*Varies depending on the selected image size and aspect ratio.

## Recording up to ISO 800 in Full Resolution

The Venus Engine III LSI lets you use higher shutter speeds to minimize motion blur that can occur when shooting moving subjects particularly in dim lighting.

## Rapid Focusing with Linear AF

Combined with a startup time of merely 0.95 seconds, this fast focusing lets you catch every shooting opportunity.

## Quick Response and Comfortable Shooting

Release time lag: about 0.006 seconds; Up to 8 consecutive shots at 3 frames per second in Standard mode

## High-Resolution 207,000-pixel 2.5-inch LCD

With Power LCD button for 140% brighter and High Angle shooting function for easier viewing from below.

### (Standard Accessories)

•Battery Charger •Battery Pack •Lens Cap •AV Cable •AC Cable  
•USB Cable •Strap •CD-ROM



# TZ1

Colour: -S (Silver), -K (Black)

10x  
Optical  
Zoom

5  
Megapixels

ISO 800



13.4MB  
Built-in  
Memory

### Basic Functions



### Shooting Modes (Mode Dial)



### SCN (Scene Mode)



### Accessory (Available as optional accessory)



\* Leica is a registered trademark of Leica Microsystems IR GmbH. The Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.





# Easy-to-Use 6x Zoom and Beautiful Images

Compact Camera with MEGA O.I.S. to Minimise Hand-Shake, Making It Easy to Take Clear, Smooth Photos



MEGA O.I.S. OFF



MEGA O.I.S. ON

## 6x Optical Zoom in a Compact Body with MEGA Optical Image Stabilisation

Each of these cameras combines a compact, easy-to-carry size with a powerful 6x optical zoom lens - equivalent to a 37 to 222mm lens on a 35mm camera - for dynamic close-ups or great shots from a distance. The Extra Optical Zoom function, which magnifies the image with minimal deterioration by using the center part of the high-resolution CCD, boosts the zoom power to 8.3x (LZ5) or 7.5x (LZ3)\*.



1x Optical Zoom



6x Optical Zoom



8.3x\*  
Extra Optical Zoom (LZ5)

\*Varies depending on the selected image size and aspect ratio.

## Large, Easy-to-See 2.5" LCD with High Angle Mode

The 2.5" LCD (LZ3 and LS2: 2.0") is clear, bright and easy to see even in low lighting thanks to the pixel-mixed readout method\*. It lets you frame shots more comfortably. And when you're finished shooting, the big, bright display lets you enjoy functions like the 25-thumbnail display. These models also have the High Angle LCD shooting function, which makes it easier to see the monitor when you're holding the camera high to shoot over a crowd. \*Not available on the LS2.



## Extended Shooting from Two AA Batteries Convenient Built-in 14MB Memory

### (Standard Accessories)

- AA Oxide Battery x2 • AV Cable (LZ5) • Video Cable (LZ3)
- USB Cable • Strap • CD-ROM



# LZ5/LZ3

Colour: -S (Silver)

Colour: -S (Silver)



## 3x Optical Zoom and MEGA O.I.S. Powered by Two AA size Batteries

# LS2

Colour: -S (Silver)



### Basic Functions



### Shooting Modes (Mode Dial)

### SCN (Scene Mode)



Some functions are not equipped with the DMC-LS2. For more information, please read the specifications.

# A Digital SLR that feels the way a camera should

Panasonic's first digital SLR camera with Leica Interchangeable lens creates a new photographic culture for the digital age.



NEW



## LEICA D Lens — The first Leica Lens designed especially for a digital SLR

- Provides F2.8-3.5 brightness from 28mm wide-angle to 100mm telephoto (35mm equivalent)
- The lens system including two dual-sided aspherical lenses minimizes distortion in wide-angle shots and suppresses the loss of peripheral resolution
- A superior multi-coating process helps reduce ghosts and flaring
- MEGA O.I.S. in the lens unit helps minimise hand-shake to ensure that photos are sharp

## Intuitive form and function

- Aperture ring equipped with the LEICA D lens for easy, direct aperture setting (F2.8 - F22 in 1/3 EV steps)
- Shutter speed dial positioned on the camera top lets you set the shutter speed from 1/2000 to 2 seconds in 1/3 EV steps
- In manual mode, you can set the shutter speed from 1/4000 to 60 second, or you can select bulb (time lapse) shooting

## Full-time Live View on the large, high-resolution LCD

- 2.5" LCD offers 100% field of view and the clarity of 207,000 pixels
- More shooting flexibility and greater convenience by composing while viewing the LCD
- In focusing manually, you can magnify a part of the image by 10x for greater focusing precision
- Precise preview of the depth of field, as the display is bright and easy to see, without darkening

## 7.5-megapixel, 4/3-type Live MOS sensor

- Offers image quality comparable to a CCD sensor with the low power requirements of a CMOS sensor
- Low Noise thanks to a dedicated processing technology run on voltage as low as 5 V

## Protecting the digital SLR image sensor: Dust Reduction System

Incorporates a Supersonic Wave Filter that uses supersonic vibration (around 30,000 per second) to shake off any dust clinging to the sensor

## Venus Engine III reproduces even nuances in texture and atmosphere

- Precisely reproduces the images captured by the Leica D lens and sent to the Live MOS sensor
- Quick startup time of one second and improved consecutive shooting performance
- Low power consumption for more shots and longer shooting sessions

## Film Mode: choose the imaging mode that best suits your creative intent

Just as photographers can switch film brands to change the imaging characteristics, the L1 provides a total of seven "film" modes to choose from, including four color settings (Standard, Dynamic, Natural and Smooth) and three monochrome settings (Standard, Dynamic and Smooth).

## Standard Accessories

- Battery Charger/AC adaptor • Battery Pack • Eyepiece Cap • Body Cap • Video Cable • USB Cable • AC Cable • DC Cable • Strap • CD-ROM



## Optional Accessories\*

- Battery Pack CGR-S003 • Remote Shutter DMW-RSL1 • MC Protector DMW-LMCH72 • PL Filter DMW-LPL72 • External Flash (GN50) DMW-FL500 • External Flash (GN36) DMW-FL360

\* Not all accessories are available in all countries

The L1 can be used with Four Thirds lenses and other accessories made by a variety of manufacturers (e.g. Zuiko and SIGMA), giving you a host of equipment options.



**Complies with Four Thirds\* standard** The DMC-L1's lens mount system adopts the open format of the Four-Thirds system, developed as a common standard for digital cameras. In the Four Thirds system, the lens diameter is larger than the image circle, making it possible to design the lens so that the light passes on a straight path to the image sensor. As a result, lenses for digital cameras can be created in a size smaller than those that complied with 35mm film SLR camera standards, meeting the needs of today's digital age. \*Four Thirds is a registered trademark.

\* Leica is a registered trademark of Leica Microsystems IR GmbH.

The Leica D lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.



# SD Memory Cards Expand the World of LUMIX Images in the Living Room

## Printing

**The World's First 16:9 Wide Print Format\***  
**Home Photo Printer**  
 Optimised Home Photo Printer For LUMIX  
**KX-PX10**  
**KX-PX1**





\*For a dye-sublimation printer as of February 14th, 2006.

## Viewing

**Awesome Big-Screen Viewing from a Mobile Projector**  
 Mobile SD Projector  
**PT-P1SD**





## Storing

**Save Lots of Memories on a DVD-RAM Disc**  
 High-Image-Quality DVD Recorder  
**DMR-EH65**




**Enjoy Viewing Your Images on a Large Screen**  
 High-Image-Quality Plasma TV  
**TH-50PV600A**






Normal      16:9 aspect ratio



**VIERA**



\*Motion images cannot be played using the SD card slot. Use the included AVcable or video cable for motion image playback.

\* Not all products shown are available in all countries

## Options that give you more comfort. More creativity. More fun.

<b>Wide Conversion Lens</b> DMW-LW55E (0.7x) (for FZ7*/FZ50) 	<b>Tele-Conversion Lens</b> DMW-LT55E (1.7x) (for FZ7*/FZ50) 	<b>ND Filter</b> DMW-LND52E (for FZ7) DMW-LND55E (for FZ7*/FZ50) 	<b>MC Protector</b> DMW-LMC52E (for FZ7) DMW-LMC55E (for FZ7*/FZ50) DMW-LMCLH72E (for L1) 	<b>PL Filter</b> DMW-LPL72E (for L1) 	<b>Lens Adaptor</b> DMW-LA2E (for FZ7) 												
<b>Close-Up Lens</b> DMW-LC55E (for FZ7*/FZ50) 	<b>External Flash</b> DMW-FL360E (for FZ50/L1) DMW-FL500E (for FZ50/L1) 	<b>Remote Shutter</b> DMW-RSL1E (for FZ50/L1) 	<b>Marine Case</b> DMW-MCFX01E (for FX3/FX01/FX07) DMW-MCTZ1E (for TZ1) 														
<b>AC Adaptor</b> DMW-AC5 (for TZ1/FX50/FX01/FX07/LX2) DMW-AC6 (for LS2/LZ3/LZ5) DMW-AC7 (for FZ7/FZ50)		<b>Battery Pack</b> CGA-S005 (for FX series) CGR-S006 (for FZ7/FZ50) CGA-S007 (for TZ1) CGR-S603 (for L1) 	<b>CardBus PC Card Adaptor</b> BN-SDPC3E (for Windows®98/2000/Me/XP) 		<b>SD/SDHC Memory Card</b>   <table style="width: 100%; font-size: small;"> <tbody> <tr> <td>4GB*: RP-SDR04G</td> <td>512MB*: RP-SDK512</td> </tr> <tr> <td>2GB*: RP-SDK02G</td> <td>RP-SDR512</td> </tr> <tr> <td>RP-SDR02G</td> <td>256MB*: RP-SDR256</td> </tr> <tr> <td>1GB*: RP-SDK01G</td> <td></td> </tr> <tr> <td>RP-SDH01G</td> <td></td> </tr> <tr> <td>RP-SDR01G</td> <td></td> </tr> </tbody> </table> <p><small>*1GB = 1 billion bytes. 1MB = 1 million bytes. Usable capacity will be less.</small></p>	4GB*: RP-SDR04G	512MB*: RP-SDK512	2GB*: RP-SDK02G	RP-SDR512	RP-SDR02G	256MB*: RP-SDR256	1GB*: RP-SDK01G		RP-SDH01G		RP-SDR01G	
4GB*: RP-SDR04G	512MB*: RP-SDK512																
2GB*: RP-SDK02G	RP-SDR512																
RP-SDR02G	256MB*: RP-SDR256																
1GB*: RP-SDK01G																	
RP-SDH01G																	
RP-SDR01G																	

\*Necessary to use DMW-LA2.

•Some accessories are not available in some countries.

# A Wealth of Functions Adds to Your Shooting Fun

## Basic Functions

### MULTIPLE AF Auto Focus mode

#### 1-point AF

While we have minimised screen-freeze in high-speed auto focusing, we recommend using this mode when shooting fast-moving subjects. There will be no screen-freeze at all as you focus.



#### 1-point high-speed AF

We've dramatically reduced high-speed auto focusing time compared with normal-speed focus time. Focusing performance is outstanding.



#### Spot AF

This mode keys the focus to a small area within the frame.



#### 3-point high-speed AF

This mode prevents the system from mistakenly focusing on the area between two subjects in a horizontal composition.



#### 5-point AF (models with VENUS ENGINE PLUS)

This mode prevents the system from mistakenly focusing on the area between two subjects in a vertical composition.



#### 9-point AF (models with VENUS ENGINE II or III)

This mode, used for general shooting, provides a sharp focus in a variety of picture compositions.

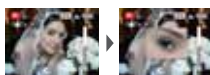


### AF ASSIST LAMP

For use in dim lighting, this lamp slightly illuminates the subject to help the AF system focus correctly.

### MF ASSIST Manual Focus Assist

Magnifies the image centre by 3x in the viewfinder or LCD, making it easier for you to check the focus.



### ASPECT SELECT Select Among 3 Aspect Ratios

In addition to the conventional 4:3 image format, you can select the 16:9 or 3:2 format to suit the shot you're composing. 16:9 images are perfect for viewing on a wide-screen TV. Simply slip the SD Memory Card into a wide-screen TV with an SD slot and you're ready for incredible viewing.

\*When using a plasma display panel to show 16:9 images recorded on an SD Memory Card, the images may not fill the entire screen.



4:3 digital camera format 3:2 film camera format 16:9 wide-screen format

### HIGH ANGLE MODE

This makes it easier to see the monitor when you're holding the camera high to shoot over a crowd.



### POWER LCD

The LCD backlight becomes about 40% brighter, so images are easy to see even in bright sunlight.



### EVF Color EVF (Electric Viewfinder)

The visual field is close to 100%, so you see virtually the entire image in the frame.

### MEGA BURST Unlimited Consecutive Shooting

You can keep shooting until the memory card or built-in memory is full. Take a series of shots, then choose the ones you like best and delete the rest.

\*Consecutive shooting speed varies with the memory card or built-in memory.

### WIDE VGA Wide VGA Motion Image

Record smooth, beautiful wide VGA-size (848 x 480 pixels) motion images at 30 frames per second - perfect for viewing on a wide-screen TV.

\*When recording motion images with the picture quality set to [wide VGA, 30fps], we recommend that you use a high-speed SD Memory Card that says "10 MB/s" or greater on the package.

### SCN HELP Scene Mode Help Screen

A description of each scene mode is displayed, making it easier for you to choose the one that's best for the conditions.



### SHORT CUT Shortcut Setting

Press and hold down the joystick or "FUNCTION" button, and you can instantly access the frequently used settings, such as white balance, ISO sensitivity, image size, compression format, auto focus mode, and light metering.



### WB ADJUST White Balance Adjustment

When it's difficult to get the exact colouration you want, you can add bluish or reddish tones in  $\pm 10$  steps of 150 Kelvin each\*. The FZ50 and LX2 let you make adjustments on both the red/blue axis and the magenta/green axis in  $\pm 9$  steps.



\*In Auto mode the white balance is determined automatically and cannot be adjusted.

### REAL-TIME HISTOGRAM Real-Time Histograms

This graph, which can be displayed in the LCD as you compose the shot, shows the status of the exposure and contrast in real-time.



### GUIDE LINES Composition Guide Lines

Displayed in the LCD, these thin horizontal and vertical lines make it easier to compose shots and hold the camera level. The new models also display the guide lines together with shooting information for greater shooting precision.



### AUTO BRACKETING Auto Bracketing

This shoots three shots at slightly graduated exposures (+1 to -1 in 1/3 EV steps). Pick the best of the three to keep.

### WORLD TIME World Time Setting

If you select a travel destination, the camera calculates the time difference from the time in the clock setting and displays the local time. You can set the time and date for 74 locations across the world.



### TRAVEL DATE Travel Date Setting

Input the time and date of your departure before you leave home, then use the camera to capture all the best moments of your trip. When you view the photos later, the camera will display them according to the day of the trip each photo was taken.



### RAW RAW\* format compatible

In this format the image data is recorded directly from the CCD in its original, unprocessed form.

\*The "PHOTO!unSTUDIO -viewer-" and ArcSoft "Photo!impression" software utilities included on the CD-ROM that comes with LUMIX cameras are designed only to convert RAW files into JPEG images. If you want to develop the RAW files and adjust image parameters such as the white balance, use commercially available third-party software that can handle RAW files from your camera. To determine whether or not certain software can handle RAW files from your camera, see the software maker's Website. Adobe (Photoshop Elements 4.0, Photoshop CS2) <http://www.adobe.com/> Ichikawa Soft Laboratory (SILKYPIX Developer Studio2.0) <http://www.isl.co.jp/SILKYPIX/english/>

## Shooting Functions (Mode Dial/Scene Mode)

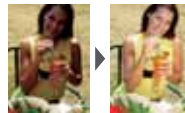
### Normal Picture Mode (Program AE)

The camera automatically determines the subject's brightness and sets the aperture and shutter speed accordingly. You can adjust the white balance, ISO sensitivity and other settings\*.

\*These settings can be adjusted in all modes except Simple and Motion Image modes.

### Simple Mode

The camera makes virtually all of the settings for you, so even first-time users can take beautiful photos. Press and hold the cursor key to turn on the backlight compensation function.



### Macro Mode

Use this mode to take incredible close-ups. You can focus on subjects within about 5 cm (0.16 ft) of the lens\*.

\*When shooting with the lens in wide-angle position



### Tele Macro (FZ7)

Set the zoom to maximum telephoto and you can take dramatic close-ups at a distance of 1 m (3.28 ft) from the subject, with the background in soft focus.

### Economy Mode

Saves battery power by turning off the LCD after a certain amount of idle time. Choose from two economy levels.

**Level 1:** LCD turns off when the camera has been idle for 15 seconds.

**Level 2:** Same as Level 1, plus the LCD turns off when the camera has been idle for 5 seconds after taking a shot.

### Auto Mode

Take beautiful photos right out of the box - even if you've never used a digital camera. The camera makes all the settings, you just aim and press the shutter button. If you're shooting directly toward the light, hold the cursor button down to turn on the backlighting compensation function, so the subject doesn't appear too dark.

### Program AE Mode

In this mode the camera makes the optimal aperture and shutter speed settings for you.

### Aperture Priority AE Mode

You set the aperture for the kind of shot you want\*, and the camera sets the shutter speed accordingly.

\*The aperture can be set from F2.8 to F8.0 (F11.0 in the FZ50).

### Shutter Priority AE Mode

Set the shutter speed between 1/2000 and 8 seconds to freeze or convey motion, and the camera sets the aperture accordingly.

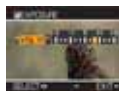


## M Manual Exposure Mode

You have full control over both the shutter speed and aperture. With shutter speeds from 1/2000 to 60 seconds and aperture settings (F stops) from F2.8 to F8.0 (F11.0 in the FZ50), you get a range of artistic possibilities to explore. You can also choose noise reduction when shooting at slow shutter speeds.

### Manual Exposure Assist

When you're in manual mode, this function shows how much your exposure setting differs from the setting the camera considers optimal.



## F Motion Image Mode

The camera can record smooth, beautiful VGA-size (640 x 480 pixels) motion images at 30 frames per second. The CCD uses the pixel-mixed readout method, which enhances the brightness level.

## P Playback Mode

After shooting, enjoy viewing your photos on your LUMIX camera's clear, bright, high-resolution LCD. View them as a slide show; display 1, 9 or 25 images at a time; or use Calendar View\* to see thumbnails of all the shots taken on a particular date.



9-window Display



25-window Display



Calendar View\*

\*Not on all models

## CUSTOM Custom Mode

You can store in memory up to three sets of frequently used settings, such as the scene mode, white balance and AF and photometry modes. Later, you can instantly recall those settings by selecting Custom Mode.



## PRINT Print Mode

Make settings in a PictBridge-compatible printer without using the menu screen. If you're using a Panasonic KX-PX10/KX-PX1 dye sublimation printer, the printer can make corrections based on information in the camera to produce prints with enhanced beauty.

## SCN Scene Mode

Select one or two of the following modes according to the shooting conditions. Pressing the left side of the cursor button opens a help screen that explains what each mode is for.

## High Sensitivity Mode

This mode raises the ISO sensitivity to 3200 or 1600, which lets you shoot at a higher shutter speed to reduce motion blur or capture clear, sharp shots of moving subjects in dim lighting without a flash. The image quality is sufficient for making the normal-size 4" x 6" (10 x 15 cm) prints.

\*Note that resolution is significantly lower in this mode.



Normal



High Sensitivity Mode

## Portrait Mode

Adjusts the exposure and coloration so that skin tones look true and natural.



## Sports Mode

Uses a higher shutter speed, making it possible to catch clear, sharp, dynamic action shots.



## Food Mode

Good for taking shots of special meals, this mode assures that colours are fresh, vivid and natural in all kinds of lighting.



## Scenery Mode

Provides quick focusing and crisp detail – especially good for shooting landscapes or scenery.



## Night Portrait Mode

Uses slower shutter speeds and activates MEGA O.I.S. to minimise hand-shake, letting you get clear, crisp images at night.



## Night Scenery Mode

Lets you get beautiful photos at night of illuminated landscapes or buildings.



## Baby Mode (1 and 2)

Input the date of your baby's birthday, and keep a running photographic record as he or she grows up. Skin tones are slightly softened to enhance beauty. You can set two birth dates to track two different children.



## Soft Skin Mode

This softens the tone in skin-color areas, making minor blemishes and wrinkles less noticeable. Other parts of the picture are unchanged.



## Candle Light Mode

This mode lets you capture the naturally warm color of scenes lit by candles.



## Party Mode

This mode adjusts the exposure and turns on MEGA O.I.S. so you can capture crisp, clear images and true-to-life colors indoors in dim lighting.



## Fireworks Mode

Uses a slower shutter speed to capture the glittering beauty of fireworks.



## Snow Mode

Keeps subjects from looking washed out in scenes with bright surroundings.



## Starry Sky Mode

Uses shutter speeds as slow as 15, 30 or 60 seconds to capture shots of the night sky or other nighttime scenes.



## Self-Portrait Mode

Aim the camera at yourself, wait for the LED to light up (indicating that you're in focus), and take the shot.



## Panning Mode

Conveys a sense of motion by capturing a moving subject in crisp focus and blurring the background.



## Beach Mode

Ideal for taking shots in bright, direct sunlight.



## Underwater Mode

Intended especially for underwater use with the optional Marine Case, this mode gives photos natural colouring even when the subject is lit by only a small amount of light.



## Aerial Photo Mode

For shooting through an airplane window.



## Accessory (Available as optional accessory)

### TELE Tele-Conversion Lens

Increases your total zoom power. Gives you the power to bring even more distant objects into range.

### WIDE Wide Conversion Lens

Increases the field of view at lower zoom settings, so you can shoot a wider area.

### CLOSE UP Close-up lens

The convex surface of the lens acts like a magnifying glass, letting you take dramatic close-ups.

### MC MC Protector

Protects the camera lens from scratches and other damage.

### ND ND (neutral density) filter

Reduces the amount of light passing through the lens, so you can use both maximum aperture and slower shutter speeds in bright sunshine.

### EXTERNAL TTL FLASH External TTL Flash

Mountable on some LUMIX models, this adds greater TTL flash power. Use it in situations where the built-in flash is inadequate, such as when the subject is beyond its effective range.

### MARINE CASE Marine Case

Explore the exciting world of underwater photography. You can also use this waterproof case for worry-free shooting in wet weather, at the beach, or on the ski slopes.

### REMOTE SHUTTER Remote Shutter

Suppresses even the tiny movement or vibration that occurs when you press the shutter release button. Especially useful when shooting at slow shutter speeds, when the effects are magnified.

Specifications

	FZ50	FZ7	FX50	FX07	FX01	FX3
Lens	LEICA DC VARIO-ELMARIT 14 elements in 10 groups (3 aspherical lenses, 1 ED lens)	LEICA DC VARIO-ELMARIT 11 elements in 8 groups (3 aspherical lenses)	LEICA DC VARIO-ELMARIT 7 elements in 6 groups (4 aspherical lenses)	LEICA DC VARIO-ELMARIT 7 elements in 6 groups (4 aspherical lenses)	LEICA DC VARIO-ELMARIT 7 elements in 6 groups (4 aspherical lenses)	LEICA DC VARIO-ELMARIT 7 elements in 6 groups (3 aspherical lenses)
Optical Zoom	12x	12x	3.6x	3.6x	3.6x	3x
Extra Optical Zoom (Max.)	21.4x (except for the maximum image size for each aspect ratio)	16.5x (except for the maximum image size for each aspect ratio)	5.5x (except for the maximum image size for each aspect ratio)	5.5x (except for the maximum image size for each aspect ratio)	5x (except for the maximum image size for each aspect ratio)	4.1x (except for the maximum image size for each aspect ratio)
Digital Zoom	2x/4x pre-select [Max. 85.5x combined with Extra Optical Zoom]	4x [Max. 66x combined with Extra Optical Zoom]	4x [Max. 21.9x combined with Extra Optical Zoom]	4x [Max. 21.9x combined with Extra Optical Zoom]	4x [Max. 20x combined with Extra Optical Zoom]	4x [Max. 16.5x combined with Extra Optical Zoom]
Focal Distance	f=7.4 - 88.8 mm [35 mm equiv.: 35 - 420 mm]	f=6 - 72 mm [35 mm equiv.: 36 - 432 mm]	f=4.6 - 16.8 mm [35 mm equiv.: 28 - 102 mm]	f=4.6 - 16.8 mm [35 mm equiv.: 28 - 102 mm]	f=4.6 - 16.8 mm [35 mm equiv.: 28 - 102 mm]	f=5.8 - 17.4 mm [35 mm equiv.: 35 - 105 mm]
Focusing Area	Normal: 30 cm [W]/200 cm [T] - ∞, Macro: 5 cm [W]/200 cm [T] - ∞	Normal: 30 cm [W]/200 cm [T] - ∞, Simple/Macro/A/S/M: 5 cm [W]/200 cm [T] - ∞, Tele-Macro: 100 cm [T] - ∞	Normal: 50 cm - ∞, Macro/Simple: 5 cm [W]/30 cm [T] - ∞	Normal: 50 cm - ∞, Macro/Simple: 5 cm [W]/30 cm [T] - ∞	Normal: 50 cm - ∞, Macro/Simple: 5 cm [W]/30 cm [T] - ∞	Normal: 50 cm - ∞, Macro/Simple: 5 cm [W]/30 cm [T] - ∞
MEGA O.I.S.	Yes [Mode1/Mode2]	Yes [Mode1/Mode2]	Yes [Mode1/Mode2]	Yes [Mode1/Mode2]	Yes [Mode1/Mode2]	Yes [Mode1/Mode2]
Conversion Lens	Yes	Yes [requires lens adapter DMW-LA2]	-	-	-	-
Camera Effective Pixels	10.1 Megapixels	6.0 Megapixels	7.2 Megapixels	7.2 Megapixels	6.0 Megapixels	6.0 Megapixels
Image Sensor	1/1.8", 10.4 Mega Total Pixel CCD, Primary Color Filter	1/2.5", 6.37 Mega Total Pixel CCD, Primary Color Filter	1/2.5", 7.38 Mega Total Pixel CCD, Primary Color Filter	1/2.5", 7.38 Mega Total Pixel CCD, Primary Color Filter	1/2.5", 6.37 Mega Total Pixel CCD, Primary Color Filter	1/2.5", 6.37 Mega Total Pixel CCD, Primary Color Filter
Focus	AF/AF-Macro/MF switchable, Manual Focus (ring), Continuous AF On/Off	AF/MF switchable, Manual Focus (joystick), Normal/Macro (dial), Continuous AF On/Off	Auto Focus System, Normal/Macro (dial)	Auto Focus System, Normal/Macro (dial)	Auto Focus System, Normal/Macro (dial)	Auto Focus System, Normal/Macro (dial)
AF Metering	1 & 9 point, 1 & 3 point high-speed, Spot	1 & 9 point, 1 & 3 point high-speed, Spot	1 & 9 point, 1 & 3 point high-speed, Spot	1 & 9 point, 1 & 3 point high-speed, Spot	1 & 5 point, 1 & 3 point high-speed, Spot	1 & 5 point, 1 & 3 point high-speed, Spot
AF Assist Lamp	Yes	Yes	Yes	Yes	Yes	Yes
ISO Sensitivity	Auto/1/ISO/100/200/400/800/1600 [High Sensitivity mode: 3200]	Auto/80/100/200/400 [High Sensitivity mode: 800 - 1600]	Auto/1/ISO/100/200/400/800/1250 [High Sensitivity mode: 3200]	Auto/1/ISO/100/200/400/800/1250 [High Sensitivity mode: 3200]	Auto/80/100/200/400 [High Sensitivity mode: 800 - 1600]	Auto/100/200/400 [High Sensitivity mode: 800 - 1600]
White Balance	Auto/Daylight/Cloudy/Shade/Halogen/Flash/White Set 1&2; 2-Axis Adjustable in ±9 steps	Auto/Daylight/Cloudy/Halogen/Flash/White Set1&2; Adjustable in ±10 steps (except Auto)	Auto/Daylight/Cloudy/Shade/Halogen/White Set; Adjustable in ±10 steps (except Auto)	Auto/Daylight/Cloudy/Shade/Halogen/White Set; Adjustable in ±10 steps (except Auto)	Auto/Daylight/Cloudy/Halogen/White Set; Adjustable in ±10 steps (except Auto)	Auto/Daylight/Cloudy/Shade/Halogen/White Set; Adjustable in ±10 steps (except Auto)
Exposure	Auto/Program AE/ Aperture Priority AE/ Shutter Priority AE/Manual	Program AE/ Aperture Priority AE/ Shutter Priority AE/Manual	Program AE	Program AE	Program AE	Program AE
Mode Dial	Auto/P/A/S/M/SCN [Portrait/Soft Skin/Scenery/Sports/Night Portrait/Night Scenery/Panning/Food/Party/Candle Light/Fireworks/Snow/Starry Sky/Baby 1&2/High Sensitivity]/Motion Image/Playback/Custom	P/A/S/M/Simple/Macro/SCN [Portrait/Soft Skin/Scenery/Sports/Night Portrait/Night Scenery/Panning/Food/Party/Candle Light/Fireworks/Snow/Starry Sky/Baby 1&2/High Sensitivity]/Motion Image/Playback	Simple/Normal/Macro/SCN [Portrait/Soft Skin/Scenery/Sports/Night Portrait/Night Scenery/Self-Portrait/Food/Party/Candle Light/Fireworks/Starry Sky/Baby 1&2/Snow/High Sensitivity/Aerial Photo/Beach]/Motion Image/Playback/Print	Simple/Normal/Macro/SCN [Portrait/Soft Skin/Scenery/Sports/Night Portrait/Night Scenery/Self-Portrait/Food/Party/Candle Light/Fireworks/Starry Sky/Baby 1&2/Snow/High Sensitivity/Underwater/Aerial Photo/Beach]/Motion Image/Playback	Simple/Normal/Macro/SCN [Portrait/Soft Skin/Scenery/Sports/Night Portrait/Night Scenery/Self-Portrait/Food/Party/Candle Light/Fireworks/Starry Sky/Baby 1&2/Snow/High Sensitivity/Underwater]/Motion Image/Playback	Simple/Normal/Macro/SCN [Portrait/Soft Skin/Scenery/Sports/Night Portrait/Night Scenery/Self-Portrait/Food/Party/Candle Light/Fireworks/Starry Sky/Baby 1&2/Snow/High Sensitivity/Underwater]/Motion Image/Playback
Exposure Compensation	1/3 EV step, -2 - +2 EV	1/3 EV step, -2 - +2 EV	1/3 EV step, -2 - +2 EV	1/3 EV step, -2 - +2 EV	1/3 EV step, -2 - +2 EV	1/3 EV step, -2 - +2 EV
Backlight Compensation	Yes (in Auto mode)	Yes (in Simple mode)	Yes (in Simple mode)	Yes (in Simple mode)	Yes (in Simple mode)	Yes (in Simple mode)
Auto [AE] Bracketing	±1/3 EV - 1 EV step, 3 frames	±1/3 EV - 1 EV step, 3 frames	±1/3 EV - 1 EV step, 3 frames	±1/3 EV - 1 EV step, 3 frames	±1/3 EV - 1 EV step, 3 frames	±1/3 EV - 1 EV step, 3 frames
Light Metering	Intelligent Multiple/ Center Weighted/Spot	Intelligent Multiple/ Center Weighted/Spot	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple
Aperture	Wide: F2.8 - F11, Tele: F3.7 - F11	Wide: F2.8 - F8.0, Tele: F3.3 - F8.0	2 steps: F2.8/F8.0 [W], F5.6/F16 [T]	2 steps: F2.8/F8.0 [W], F5.6/F16 [T]	2 steps: F2.8/F5.6 [W], F5.6/F11 [T]	2 steps: F2.8/F5.6 [W], F5.0/F10 [T]
Shutter Speed	Auto: 1/4 - 1/2000 sec, P: 1 - 1/2000 sec, A/S: 8 - 1/2000 sec, M: 60 - 1/2000 sec	8 - 1/2000 sec [Starry Sky mode: 15/30/60 sec]	8 - 1/2000 sec [Starry Sky mode: 15/30/60 sec]	8 - 1/2000 sec [Starry Sky mode: 15/30/60 sec]	8 - 1/2000 sec [Starry Sky mode: 15/30/60 sec]	8 - 1/2000 sec [Starry Sky mode: 15/30/60 sec]
Picture Adjustment	Contrast/Sharpness/Saturation/ Noise Reduction	Contrast/Sharpness/Saturation/ Noise Reduction	Natural/Standard/Vivid	Natural/Standard/Vivid	Natural/Standard/Vivid	Natural/Standard/Vivid
Recording Format	Still Images: JPEG [DCF/Exif2.2 compliant], RAW, DPOF compatible; Images w/ Audio: JPEG [DCF/Exif2.2 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG [DCF/Exif2.2 compliant], TIFF, DPOF compatible; Images w/ Audio: JPEG [DCF/Exif2.2 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG [DCF/Exif2.2 compliant], DPOF compatible; Images w/ Audio: JPEG [DCF/Exif2.2 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG [DCF/Exif2.2 compliant], DPOF compatible; Images w/ Audio: JPEG [DCF/Exif2.2 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG [DCF/Exif2.2 compliant], DPOF compatible; Images w/ Audio: JPEG [DCF/Exif2.2 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG [DCF/Exif2.2 compliant], DPOF compatible; Images w/ Audio: JPEG [DCF/Exif2.2 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG
Recording Pixels (Still Images)	[4:3] 3648 x 2736, 3264 x 2448, 2560 x 1920, 2048 x 1536, 1600 x 1200, [3:2] 3600 x 2400, 3248 x 2160, 2560 x 1712, 2048 x 1360; [16:9] 3584 x 2016, 3072 x 1728, 1920 x 1080	[4:3] 2816 x 2112, 2304 x 1728, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 2816 x 1880, 2048 x 1360; [16:9] 2816 x 1584, 1920 x 1080	[4:3] 3072 x 2304, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 3072 x 2048, 2048 x 1360; [16:9] 3072 x 1728, 1920 x 1080	[4:3] 3072 x 2304, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 3072 x 2048, 2048 x 1360; [16:9] 3072 x 1728, 1920 x 1080	[4:3] 2816 x 2112, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 2816 x 1880, 2048 x 1360; [16:9] 2816 x 1584, 1920 x 1080	[4:3] 2816 x 2112, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 2816 x 1880, 2048 x 1360; [16:9] 2816 x 1584, 1920 x 1080
Image Quality	RAW/Fine/Standard	TIFF/Fine/Standard	Fine/Standard	Fine/Standard	Fine/Standard	Fine/Standard
Motion Image	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps
Burst Shooting Mode (with full resolution)	2 or 1 fps, Max. 5 [Standard]/3 [Fine] images	3 or 2 fps, Max. 13 [Standard]/7 images [Fine]	3 or 2 fps, Max. 8 [Standard]/6 [Fine] images	3 or 2 fps, Max. 8 [Standard]/6 [Fine] images	3 or 2 fps, Max. 8 [Standard]/6 [Fine] images	3 or 2 fps, Max. 8 [Standard]/6 [Fine] images
Unlimited* Consecutive Shooting	Yes	Yes	Yes	Yes	Yes	Yes
Built-in Flash	Auto, Auto/Red-eye Reduction, Slow Sync, Red-eye Reduction, Forced On/Off, Flash Output Adjustment: -2 - +2 EV in 1/3 EV steps	Auto, Auto/Red-eye Reduction, Slow Sync, Red-eye Reduction, Forced On/Off, Flash Output Adjustment: -2 - +2 EV in 1/3EV steps	Auto, Auto/Red-eye Reduction, Slow Sync/Red-eye Reduction, Forced On/Off	Auto, Auto/Red-eye Reduction, Slow Sync/Red-eye Reduction, Forced On/Off	Auto, Auto/Red-eye Reduction, Slow Sync/Red-eye Reduction, Forced On/Off	Auto, Auto/Red-eye Reduction, Slow Sync/Red-eye Reduction, Forced On/Off
Flash Range	ISO Auto: 0.3 - 7.4 m [W]/0.3 - 5.6 m [T]	ISO Auto: 0.3 - 6.0 m [W]/0.3 - 5.4 m [T]	ISO Auto: 0.6 - 4.0 m [W]/0.3 - 2.0 m [T]	ISO Auto: 0.6 - 4.0 m [W]/0.3 - 2.0 m [T]	ISO Auto: 0.6 - 4.0 m [W]/0.3 - 2.0 m [T]	ISO Auto: 0.3 - 4.0 m [W]/0.3 - 2.2 m [T]
External Flash	Hot Shoe (TTL Auto)	-	-	-	-	-
Viewfinder	0.44" Color EVF [235k pixels], Approx. 100% coverage	0.33" Color EVF [114k pixels], Approx. 100% coverage	-	-	-	-
LCD Monitor	Free-angle 2.0" Polycrystalline TFT LCD [207k pixels], Approx. 100% coverage	2.5" Polycrystalline TFT LCD Display [114k pixels], Approx. 100% coverage	3.0" Polycrystalline TFT LCD [230k pixels], Approx. 100% coverage	2.5" Polycrystalline TFT LCD [207k pixels], Approx. 100% coverage	2.5" Polycrystalline TFT LCD [207k pixels], Approx. 100% coverage	2.5" TFT LCD [115k pixels], Approx. 100% coverage
Recording Media	SD Memory Card/ SDHC Memory Card/ MultiMediaCard	SD Memory Card/ MultiMediaCard	SD Memory Card/ SDHC Memory Card/ MultiMediaCard	SD Memory Card/ SDHC Memory Card/ MultiMediaCard	SD Memory Card/ SDHC Memory Card/ MultiMediaCard	SD Memory Card/ SDHC Memory Card/ MultiMediaCard
Built-in Memory	-	-	-	-	-	13.5MB
Microphone/Speaker Interface	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes
DC Input, AV Output (NTSC/PAL), USB	DC Input, AV Output (NTSC/PAL), USB	DC Input, AV Output (NTSC/PAL), USB	DC Input, AV Output (NTSC/PAL), USB	DC Input, AV Output (NTSC/PAL), USB	DC Input, AV Output (NTSC/PAL), USB	DC Input, AV Output (NTSC/PAL), USB
Direct Print	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge
Power Sources	Li-ion Battery Pack (7.2V, 710mAh), AC Adapter (optional)	Li-ion Battery Pack (7.2V, 710mAh), AC Adapter (optional)	Li-ion Battery Pack (3.7V, 1150mAh), AC Adapter (optional)	Li-ion Battery Pack (3.7V, 1150mAh), AC Adapter (optional)	Li-ion Battery Pack (3.7V, 1150mAh), AC Adapter (optional)	Li-ion Battery Pack (3.7V, 1150mAh), AC Adapter (optional)
Battery Life (approx.)	360 images [CIPA**]	320 images [CIPA**]	300 images [CIPA**]	320 images [CIPA**]	300 images [CIPA**]	320 images [CIPA**]
Dimensions (approx.) [W x H x D]	131.2 x 85.5 x 142mm	112.5 x 72.2 x 79.0 mm	97.7 x 57.1 x 25.1 mm	94.1 x 51.1 x 24.2 mm	94.1 x 51.1 x 24.2 mm	94.1 x 51.1 x 24.2 mm
Weight (approx.)	668 g [camera body only]	310 g [camera body only]	151 g [camera body only]	132 g [camera body only]	132 g [camera body only]	125 g [camera body only]
Standard Accessories	Battery Charger, Battery Pack, SD Memory Card (32MB), Lens Cap, Lens Hood, AV Cable, AC Cable, USB Cable, Strap, CD-ROM [LUMIX Simple Viewer, PhotoFunStudio-viewer-, ArcSoft PhotoImpression, ArcSoft PanoramaMaker, SILKYPIX Developer Studio, Adobe Reader, QuickTime, USB Driver]	Battery Charger, Battery Pack, SD Memory Card (16MB), Lens Cap, Lens Hood, Lens Hood Adapter, AV Cable, AC Cable, USB Cable, Strap, CD-ROM [LUMIX Simple Viewer, PhotoFunStudio-viewer-, ArcSoft PhotoImpression, ArcSoft PhotoBase, ArcSoft PanoramaMaker, ArcSoft PhotoImpression, ArcSoft Panorama Maker, USB Driver]	Battery Charger, Battery Pack, Battery Carrying Case, SD Memory Card (16MB), AV Cable, AC Cable, USB Cable, Strap, CD-ROM [LUMIX Simple Viewer, ArcSoft PhotoBase, ArcSoft PhotoImpression, ArcSoft Panorama Maker, USB Driver]	Battery Charger, Battery Pack, Battery Carrying Case, SD Memory Card (16MB), AV Cable, AC Cable, USB Cable, Strap, CD-ROM [LUMIX Simple Viewer, ArcSoft PhotoBase, ArcSoft PhotoImpression, ArcSoft Panorama Maker, USB Driver]	Battery Charger, Battery Pack, Battery Carrying Case, SD Memory Card (16MB), AV Cable, AC Cable, USB Cable, Strap, CD-ROM [LUMIX Simple Viewer, ArcSoft PhotoBase, ArcSoft PhotoImpression, ArcSoft Panorama Maker, USB Driver]	Battery Charger, Battery Pack, Battery Carrying Case, AV Cable, AC Cable, USB Cable, Strap, CD-ROM [LUMIX Simple Viewer, ArcSoft PhotoBase, ArcSoft PhotoImpression, ArcSoft Panorama Maker, USB Driver]

\*Number of shots may vary depending on memory card size, battery power, picture size, and compression. The consecutive shooting speed varies depending on the memory card or the built-in memory. \*\*Based on the CIPA standard. Using a Panasonic SD Memory Card and supplied batteries. The CIPA [Camera & Imaging Products Association] creates standards for measuring battery life. CIPA measurement method: Switch on the power and LCD, begin shooting in 30 seconds, switch between telephoto and wide-angle every 30 seconds, fire the flash every other shot. After each series of 10 shots, turn the camera off until the battery cools. Ambient conditions: 23°C temperature and 50% humidity. The battery life differs depending on the condition of storage or use, and the environment. The number of recordable pictures varies depending on the recording interval time. If the recording interval time becomes longer, the number of recordable pictures decreases.

\*LUMIX Simple Viewer, PHOTOFunSTUDIO-viewer-: Require Microsoft® Windows® 98SE/Me/2000/XP. ArcSoft® PhotoBase™, PhotoImpression™, Panorama Maker™. Require Microsoft® Windows® 98/98SE/Me/2000/XP, or Apple® Mac OS® 9 or X [Classic mode]. SILKYPIX® Developer Studio: Requires Microsoft® Windows® 98SE/Me/2000/XP [Recommending Windows® 2000/XP; Only a systems administrator with authority to install software on a Windows® XP/2000], or Apple® Mac OS® X v10.2 or newer [Version 10.3 or later is recommended]. \*Weight and dimensions shown are approximate. \*Design, functions, and specifications are subject to change without notice. \*Some sample images are simulated. \*Some accessories are not available in some countries. \*The use of recorded or printed materials that are protected by copyright for any purpose other than personal enjoyment is prohibited, as it would infringe upon the rights of the copyright holder. \*Leica is a registered trademark of Leica Microsystems IR GmbH. \*Elmarit is registered trademark of Leica Camera AG. \*LEICA DC VARIO-ELMARIT, LEICA D VARIO-ELMARIT lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards. \*Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. \*Adobe® Reader™ are trademarks of Adobe Systems Incorporated in the United States and/or other countries. \*Apple® and Mac OS® are either registered trademarks or trademarks of Apple Computer, Inc. in the United States and/or other countries. \*QuickTime and the QuickTime logo are trademarks or registered trademarks of Apple Computer, Inc., used under license. \*Other names of systems and products mentioned in this brochure are usually the registered trademarks or trademarks of the manufacturers who developed the system or product concerned. \*Number of shots may vary depending on memory card size, battery power, picture size, and compression. The consecutive shooting speed varies depending on the memory card or the built-in memory. \*\*Based on the CIPA standard. Using a Panasonic SD Memory Card and supplied batteries. The CIPA [Camera & Imaging Products Association] creates standards for measuring battery life. CIPA measurement method: Switch on the power and LCD, begin shooting in 30



LX2	TZ1	LZ5	LZ3	LS2	L1
LEICA DC VARIO-ELMARIT 9 elements in 8 groups (3 aspherical lenses)	LEICA DC VARIO-ELMARIT 10 elements in 12 groups (3 aspherical lenses)	LUMIX DC VARIO 8 elements in 7 groups (2 aspherical lenses)	LUMIX DC VARIO 8 elements in 7 groups (2 aspherical lenses)	LUMIX DC VARIO 7 elements in 6 groups (3 aspherical lenses)	Camera Effective Pixels
4x	10x	6x	6x	3x	7.5 Megapixels
[4.3] 6.2x, [3.2] 5.6x, [16:9] 5.5x (any resolution except the maximum for the selected aspect ratio)	12.5x (except for the maximum image size for each aspect ratio)	8.3x (except for the maximum image size for each aspect ratio)	7.5x (except for the maximum image size for each aspect ratio)	3.8x (except for the maximum image size for each aspect ratio)	4/3-type (17.3 x 13.0 mm), 7.9 Mega Total Pixel Live MOS sensor, Primary Color Filter
4x (Max. 24.8x combined with Extra Optical Zoom)	4x (Max. 50x combined with Extra Optical Zoom)	4x (Max. 33x combined with Extra Optical Zoom)	4x (Max. 30x combined with Extra Optical Zoom)	4x (Max. 15x combined with Extra Optical Zoom)	Mount
f=6.3 - 25.2 mm [35 mm equiv.: 28 - 112 mm in 16:9 aspect mode]	f=5.2 - 52 mm [35 mm equiv.: 35 - 350 mm]	f=6.1 - 36.6 mm [35 mm equiv.: 37 - 222 mm]	f=6.1 - 36.6 mm [35 mm equiv.: 37 - 222 mm]	f=5.8 - 17.4 mm [35 mm equiv.: 35 - 105 mm]	Dust Reduction System
Normal: 50 cm [W]/100 cm [T] - ∞, Macro: 5 cm [W]/30 cm [T] - ∞	Normal: 40 cm [W]/200 cm [T] - ∞, Macro/Simple: 5 cm [W]/100 cm [T] - ∞	Normal: 50 cm [W]/120 cm [T] - ∞, Macro/Simple: 5 cm [W]/50 cm [T] - ∞	Normal: 50 cm [W]/120 cm [T] - ∞, Macro/Simple: 5 cm [W]/50 cm [T] - ∞	Normal: 50 cm - ∞, Macro/Simple: 5 cm [W]/30 cm [T] - ∞	Four Thirds mount
Yes [Mode1/Mode2]	Yes [Mode1/Mode2]	Yes [Mode1/Mode2]	Yes [Mode1/Mode2]	Yes [Mode1/Mode2]	Dust Reduction System
-	-	-	-	-	Supersonic Web Filter
10.2 Megapixels	5.0 Megapixels	6.0 Megapixels	5.0 Megapixels	5.0 Megapixels	Digital Zoom
1/1.65" [16:9], 10.4 Mega Total Pixel CCD, Primary Color Filter	1/2.5", 6.37 Mega Total Pixel CCD, Primary Color Filter	1/2.5", 6.37 Mega Total Pixel CCD, Primary Color Filter	1/2.5", 5.36 Mega Total Pixel CCD, Primary Color Filter	1/2.5", 5.36 Mega Total Pixel CCD, Primary Color Filter	2x, 4x (Live View only)
AF/Macro/MF switchable, Continuous AF On/Off	Auto Focus System, Normal/Macro (dial), Continuous AF On/Off	Auto Focus System, Normal/Macro (dial)	Auto Focus System, Normal/Macro (dial)	Auto Focus System, Normal/Macro (dial)	Max. 1.5x (Live View only. Not effective with full pixel recording. Magnification ratio depends on the recording pixels.)
1 & 9 point, 1 & 3 point high-speed, Spot	1 & 9 point, 1 & 3 point high-speed, Spot	1 & 5 point, 1 & 3 point high-speed, Spot	1 & 5 point, 1 & 3 point high-speed, Spot	1 & 5 point, 1 & 3 point high-speed, Spot	Type: TTL Phase Difference Detection System; Modes: AFS/AF/MF
Yes	Yes	Yes	Yes	-	AF Assist Lamp
Auto/iISO/100/200/400/800/1600 [High Sensitivity mode: 800/1600]	Auto/80/100/200/400/800 [High Sensitivity mode: 800 - 1600]	Auto/80/100/200/400 [High Sensitivity mode: 800 - 1600]	Auto/80/100/200/400 [High Sensitivity mode: 800 - 1600]	Auto/80/100/200/400	YES
Auto/Daylight/Cloudy/Shade/ Halogen/Flash/White Set 1&2; 2-Axis Adjustable in ±9 steps	Auto/Daylight/Cloudy/Halogen/ White Set; Adjustable in ±10 steps [except Auto]	Auto/Daylight/Cloudy/Halogen/ White Set; Adjustable in ±10 steps [except Auto]	Auto/Daylight/Cloudy/Halogen/ White Set; Adjustable in ±10 steps [except Auto]	Auto/Daylight/Cloudy/Halogen/ White Set; Adjustable in ±10 steps [except Auto]	ISO Sensitivity
Auto/Program AE/ Aperture Priority AE/ Shutter Priority AE/Manual	Program AE	Program AE	Program AE	Program AE	Auto/100/200/400/800/1600
Auto/P/A/S/M/SCN (Portrait/ Soft Skin/Scenery/Sports/ Night Portrait/Night Scenery/Food/ Self-Portrait/Food/Party/ Candle Light/Fireworks/Starry Sky/ Beach/Aerial Photo/Snow/ High Sensitivity/Baby1&2)/ Motion Image/Playback/Print	Simple/Normal/Macro/SCN 1&2 [Portrait/Soft Skin/Scenery/Sports/ Night Portrait/Night Scenery/Food/ Party/Candle Light/Fireworks/ Starry Sky/Snow/Baby1&2/ High Sensitivity/Self-Portrait/ Underwater/Beach/Aerial Photo]/ Motion Image/Playback	Simple/Normal/Economy/Macro/ SCN1&2 [Portrait/Soft Skin/ Scenery/Sports/Night Portrait/ Night Scenery/Food/Party/ Candle Light/Fireworks/Starry Sky/ Snow/Baby1&2/High Sensitivity]/ Motion Image/Playback	Simple/Normal/Economy/Macro/ SCN1&2 [Portrait/Soft Skin/ Scenery/Sports/Night Portrait/ Night Scenery/Food/Party/ Candle Light/Fireworks/Starry Sky/ Snow/Baby1&2/High Sensitivity]/ Motion Image/Playback	Simple/Normal/Economy/Macro/ SCN1&2 [Portrait/Soft Skin/ Scenery/Sports/Night Portrait/ Night Scenery/Food/Party/ Candle Light/Fireworks/Starry Sky/ Snow/Baby1&2)/Motion Image/ Playback	White Balance
1/3 EV step, -2 - +2 EV	1/3 EV step, -2 - +2 EV	1/3 EV step, -2 - +2 EV	1/3 EV step, -2 - +2 EV	1/3 EV step, -2 - +2 EV	Auto/Daylight/Cloudy/Shade/ Halogen/Flash/White Set 1&2/ Color temperature setting [2500 to 10000 K in 31steps]
Yes (in Auto mode)	Yes (in Simple mode)	Yes (in Simple mode)	Yes (in Simple mode)	Yes (in Simple mode)	White Balance Adjustment
±1/3 EV - 1 EV step, 3 frames	±1/3 EV - 1 EV step, 3 frames	±1/3 EV - 1 EV step, 3 frames	±1/3 EV - 1 EV step, 3 frames	±1/3 EV - 1 EV step, 3 frames	Blue/Amber Bias, Magenta/Green Bias
Intelligent Multiple/ Center Weighted/Spot	Intelligent Multiple/ Center Weighted/Spot	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Exposure
Wide: F2.8 - F8.0, Tele: F4.9 - F8.0	2 steps: F2.8/F5.0 [W], F4.2/F7.1 [T]	2 steps: F2.8/F5.6 [W], F4.5/F9.0 [T]	2 steps: F2.8/F5.6 [W], F4.5/F9.0 [T]	2 steps: F2.8/F5.6 [W], F5.0/F10 [T]	Program AE/Aperture Priority AE/ Shutter Priority AE/Manual
Auto: 1/4 - 1/2000 sec, P: 1 - 1/2000 sec, A/S: 8 - 1/2000 sec, M: 60 - 1/2000 sec	8 - 1/2000 sec [Starry Sky mode: 15/30/60 sec]	8 - 1/2000 sec [Starry Sky mode: 15/30/60 sec]	8 - 1/2000 sec [Starry Sky mode: 15/30/60 sec]	8 - 1/2000 sec [Starry Sky mode: 15/30/60 sec]	Exposure Compensation
Contrast/Sharpness/Saturation/ Noise Reduction	Natural/Standard/Vivid	Natural/Standard/Vivid	Natural/Standard/Vivid	Natural/Standard/Vivid	1/3 EV step, -2 - +2 EV
Still Images: JPEG (DCF/Exif2.2 compliant), RAW, DPOF compatible; Images w/ Audio: JPEG (DCF/Exif2.2 compliant) + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG (DCF/Exif2.2 compliant), DPOF compatible; Images w/ Audio: JPEG (DCF/Exif2.2 compliant) + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG (DCF/Exif2.2 compliant), DPOF compatible; Images w/ Audio: JPEG (DCF/Exif2.2 compliant) + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG (DCF/Exif2.2 compliant), DPOF compatible; Motion Images: QuickTime Motion JPEG	Still Images: JPEG (DCF/Exif2.2 compliant), DPOF compatible; Motion Images: QuickTime Motion JPEG	AE Bracket
[16:9] 4224 x 2376, 3840 x 2160, 3072 x 1728, 1920 x 1080; [3:2] 3568 x 2376, 3248 x 2160, 2560 x 1712, 2048 x 1360; [4:3] 3168 x 2376, 2880 x 2160, 2304 x 1728, 2048 x 1536, 1600 x 1200, 1280 x 960	[4:3] 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 2560 x 1712, 2048 x 1360; [16:9] 2560 x 1440, 1920 x 1080	[4:3] 2816 x 2112, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 2816 x 1880, 2048 x 1360; [16:9] 2816 x 1584, 1920 x 1080	[4:3] 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 2560 x 1712, 2048 x 1360; [16:9] 2560 x 1440, 1920 x 1080	[4:3] 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 2560 x 1712, 2048 x 1360; [16:9] 2560 x 1440, 1920 x 1080	±1/3 EV - 1 EV step, 3 or 5 frames
RAW/Fine/Standard	Fine/Standard	Fine/Standard	Fine/Standard	Fine/Standard	TTL Full Aperture Light Metering by 49-Zone Multi-pattern Sensing system [optical viewfinder ] 256-Zone Multi-pattern Sensing system [Live View mode]
[16:9] 1280 x 720 [15 fps]/ 848 x 480, [4:3] 640 x 480/ 320 x 240 pixels; 30 or 10 fps	[4:3] 640 x 480 [320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps]	[4:3] 640 x 480 [SD Memory Card only/ 320 x 240 pixels; 30 or 10 fps]	[4:3] 640 x 480 [SD Memory Card only/ 320 x 240 pixels; 30 or 10 fps]	[4:3] 320 x 240 pixels; 30 or 10 fps	Metering Range
2 or 1 fps, Max. 5 [Standard]/ 3 [Fine] images	3 or 2 fps, Max. 5 [Standard]/ 3 [Fine] images	3 or 2 fps, Max. 8 [Standard]/ 6 [Fine] images	3 or 2 fps, Max. 5 [Standard]/ 3 [Fine] images	3 or 2 fps, Max. 5 [Standard]/ 3 [Fine] images	0 - 20 EV with optical viewfinder; 0 - 16 EV with Live View mode [with F2.0 lens, ISO 100]
Yes	Yes	Yes	Yes	Yes	Shutter Speed
Auto, Auto/Red-eye Reduction, Slow Sync./Red-eye Reduction, Forced On/Off, Flash Output Adjustment: -2 - +2 EV in 1/3 EV steps	Auto, Auto/Red-eye Reduction, Slow Sync./Red-eye Reduction, Forced On/Off	Auto, Auto/Red-eye Reduction, Slow Sync./Red-eye Reduction, Forced On/Off	Auto, Auto/Red-eye Reduction, Slow Sync./Red-eye Reduction, Forced On/Off	Auto, Auto/Red-eye Reduction, Slow Sync./Red-eye Reduction, Forced On/Off	1/4000 - 60 sec and bulb (up to approx. 8 minutes)
ISO Auto: 0.6 - 4.9 m [W]/ 0.3 - 2.2 m [T]	ISO Auto: 0.3 - 3.7 m [W]/ 1.0 - 2.4 m [T]	ISO Auto: 0.3 - 4.2 m [W]/ 0.5 - 2.6 m [T]	ISO Auto: 0.3 - 4.2 m [W]/ 0.5 - 2.6 m [T]	ISO Auto: 0.3 - 3.7 m [W]/ 0.3 - 2.1 m [T]	Recording File Format
-	-	-	-	-	JPEG[DCF/Exif 2.21 compliant], DPOF compatible, RAW
-	-	-	-	-	[4:3] 3136 x 2352, 2560 x 1920, 2048 x 1536,[3:2] 3136 x 2080, 2560 x 1712, 2048 x 1360; [16:9] 3136 x 1760, 1920 x 1080
2.8" Wide Polycrystalline TFT LCD [207k pixels], Approx. 100% coverage	2.5" Polycrystalline TFT LCD Display [85k pixels], Approx. 100% coverage	2.5" Polycrystalline TFT LCD Display [85k pixels], Approx. 100% coverage	2.0" Polycrystalline TFT LCD Display [85k pixels], Approx. 100% coverage	2.0" TFT LCD Display (86k pixels), Approx. 100% coverage	Color Space
Built-in Memory/SD Memory Card/ SDHC Memory Card/ MultiMediaCard	Built-in Memory/ SD Memory Card/ MultiMediaCard	Built-in Memory/ SD Memory Card/ MultiMediaCard	Built-in Memory/ SD Memory Card/ MultiMediaCard	Built-in Memory/ SD Memory Card/ MultiMediaCard	sRGB, Adobe RGB
13MB	13.4MB	14MB	14MB	14MB	Burst Shooting Mode
Yes/Yes	Yes/Yes	Yes/No	No/No	No/No	3 or 2 fps; Max. 6 images (when there are RAW file), Unlimited* Consecutive Shooting (when there are no RAW file)
DC Input, AV Output (NTSC/PAL), USB	DC Input, AV Output (NTSC/PAL), USB	DC Input, AV Output (NTSC/PAL), USB	DC Input, Video Output (NTSC/PAL), USB	DC Input, Video Output (NTSC/PAL), USB	Auto, Auto/Red-eye Reduction, Forced On/Red-eye Reduction, Slow Sync., Slow Sync./Red-eye Reduction, Forced On/Off; Flash Output Adjustment: -2 - +2 EV in 1/3 EV steps
PictBridge	PictBridge	PictBridge	PictBridge	PictBridge	Hot Shoe
Li-ion Battery Pack [3.7V, 1150mAh], AC Adapter [optional] 300 images [CIPA**]	Li-ion Battery Pack [7.2V, 1000mAh], AC Adapter [optional] 250 images [CIPA**]	Two AA or LR6 Batteries, AC Adapter [optional] 235 images [CIPA**]	Two AA or LR6 Batteries, AC Adapter [optional] 250 images [CIPA**]	Two AA or LR6 Batteries, AC Adapter [optional] 250 images [CIPA**]	TTL Auto/Red-eye Reduction, Forced On/Red-eye Reduction, Slow Sync., Slow Sync./Red-eye Reduction, Forced On/Off; Flash Output Adjustment: -2 - +2 EV in 1/3 EV steps
105.7 x 55.8 x 26.3 mm	112 x 58.1 x 40.2 mm	100 x 62 x 45 mm	100 x 62 x 45 mm	110.5 x 53.5 x 30.9 mm	Viewfinder
187 g [camera body only]	234 g [camera body only]	186 g [camera body only]	186 g [camera body only]	138 g [camera body only]	Optical viewfinder (Eye-level Porro Mirror), Approx. 95% coverage; Magnification: approx. 0.93x; Detachable Eyepiece Shutter
Battery Charger, Battery Pack, Battery Carrying Case, Lens Cap, Lens Cap Strap, AV Cable, AC Cable, USB Cable, Strap, CD-ROM [LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer- , ArcSoft PhotoImpression, ArcSoft Panorama Maker, SILKPIX Developer Studio, Adobe Reader, QuickTime, USB Driver]	Battery Charger, Battery Pack, Lens Cap, AV Cable, AC Cable, USB Cable, Strap, CD-ROM [LUMIX Viewer, PHOTOfunSTUDIO-viewer- , ArcSoft PhotoBase, ArcSoft PhotoImpression, ArcSoft Panorama Maker, USB Driver]	Two AA Oxide Batteries, AV Cable, USB Cable, Strap, CD-ROM [LUMIX Simple Viewer, ArcSoft PhotoBase, ArcSoft PhotoImpression, USB Driver]	Two AA Oxide Batteries, Video Cable, USB Cable, Strap, CD-ROM [LUMIX Simple Viewer, ArcSoft PhotoBase, ArcSoft PhotoImpression, USB Driver]	Two AA Oxide Batteries, Video Cable, USB Cable, Strap, CD-ROM [LUMIX Simple Viewer, ArcSoft PhotoBase, ArcSoft PhotoImpression, USB Driver]	LCD Monitor
					2.5" Low temperature Polycrystalline TFT LCD [207k pixels], Approx. 100% coverage in Live View mode
					Recording Media
					SD Memory Card/ SDHC Memory Card/ MultiMediaCard
					Film Mode
					Color: Standard/Dynamic/Nature/ Smooth Color; Black and White: Standard/ Dynamic/Smooth Color
					Direct Print
					PictBridge
					Interface
					Digital: USB 2.0 [High Speed]; Analog Video: NTSC/PAL Composite (switched by menu)
					Power Sources (Included)
					Li-ion Battery Pack (7.2V, 1500mAh), Battery Charger/AC Adapter (Input: 110-240 V AC)
					Battery Life
					450 images [CIPA** standard with Leica D Elmarit12-50mm/f F2.8-3.5 ASPH)]
					Dimensions (approx.) [W x H x D]
					145.8 x 86.9 x 80 mm
					Weight [approx.]
					530 g [camera body only]
					Standard Accessories
					Battery Charger/AC adapter, Battery Pack, Eyepiece Cap, Body Cap, Video Cable, USB Cable, AC Cable, DC Cable, Strap, CD-ROM [LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer- , SILKPIX Developer Studio, SILKPIX Developer Studio, USB Driver]








seconds, switch between telephoto and wide-angle every 30 seconds, fire the flash every other shot. After each series of 10 shots, turn the camera off until the battery cools. Ambient conditions: 23°C temperature and 50% humidity. The battery life differs depending on the condition of storage or use, and the environment. The number of recordable pictures varies depending on the recording interval time. If the recording interval time becomes longer, the number of recordable pictures decreases.











\*LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-: Require Microsoft® Windows® 98SE/Me/2000/XP. ArcSoft® PhotoBase™, PhotoImpression™, Panorama Maker™: Require Microsoft® Windows® 98/98SE/Me/2000/XP, or Apple® Mac OS® 9 or X [Classic model]. SILKPIX® Developer Studio: Requires Microsoft® Windows® 98SE/Me/2000/XP [Recommending Windows® 2000/XP; Only a systems administrator with authority to install software on a Windows® XP/2000], or Apple® Mac OS® X v10.2 or newer [Version 10.3 or later is recommended]. \*Weight and dimensions shown are approximate. \*Design, functions, and specifications are subject to change without notice. \*Some sample images are simulated. \*Some accessories are not available in some countries. \*The use of recorded or printed materials that are protected by copyright for any purpose other than personal enjoyment is prohibited, as it would infringe upon the rights of the copyright holder. \*Leica is a registered trademark of Leica Microsystems IR GmbH. \*Elmarit is registered trademark of Leica Camera AG. \*LEICA DC VARIO-ELMARIT, LEICA D VARIO-ELMARIT lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards. \*Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. \*Adobe® Reader™ are trademarks of Adobe Systems Incorporated in the United States and/or other countries. \*Apple® and Mac OS® are either registered trademarks or trademarks of Apple Computer, Inc. in the United States and/or other countries. \*QuickTime and the QuickTime logo are trademarks or registered trademarks of Apple Computer, Inc., used under license.\*Other names of systems and products mentioned in this brochure are usually the registered trademarks or trademarks of the manufacturers who developed the system or product concerned.



























# Still Image Recording Capacity and Moving Image Recording Time

📷: Fine 📷: Standard

FZ50		128MB				256MB				512MB				1GB				2GB				4GB				
Aspect Ratio	Still Image	RAW			RAW			RAW			RAW			RAW			RAW			RAW						
4 : 3	3648 x 2736 (10M)	5	24	49	10	48	97	21	97	190	42	190	380	86	390	780	170	770	1540							
	3264 x 2448 (8M)	-	30	61	-	61	120	-	120	240	-	240	480	-	490	970	-	970	1910							
	2560 x 1920 (5M)	-	50	99	-	98	190	-	195	380	-	390	770	-	790	1530	-	1560	3010							
	2048 x 1536 (3M)	-	78	150	-	150	290	-	300	590	-	600	1180	-	1220	2360	-	2410	4640							
	1600 x 1200 (2M)	-	125	240	-	240	470	-	480	940	-	970	1180	-	1920	3610	-	3770	7090							
3 : 2	3600 x 2400 (8M)	6	28	57	12	56	112	23	110	220	48	220	440	97	450	900	190	900	1770							
	3248 x 2160 (7M)	-	35	70	-	69	135	-	135	270	-	270	540	-	560	1090	-	1100	2150							
	2560 x 1712 (4.5M)	-	56	110	-	110	210	-	210	430	-	440	860	-	890	1700	-	1740	3350							
	2048 x 1360 (2.5M)	-	88	165	-	170	330	-	340	650	-	680	1310	-	1360	2560	-	2680	5020							
	3584 x 2016 (7M)	7	34	68	14	67	130	28	130	260	56	260	530	115	540	1070	220	1060	2110							
16 : 9	3072 x 1728 (5.5M)	-	46	92	-	91	180	-	180	350	-	360	710	-	730	1420	-	1450	2800							
	1920 x 1080 (2M)	-	115	220	-	230	430	-	450	860	-	910	1720	-	1800	3410	-	3540	6700							
Aspect Ratio	Moving Image																									
4 : 3	640 x 480	10 fps	250 sec				490 sec				980 sec				1970 sec				4020 sec				7910 sec			
		30 fps	83 sec				165 sec				330 sec				660 sec				1350 sec				2660 sec			
	320 x 240	10 fps	740 sec				1440 sec				2870 sec				5750 sec				11700 sec				22970 sec			
		30 fps	250 sec				490 sec				980 sec				1970 sec				4020 sec				7910 sec			
16 : 9	848 x 480	10 fps	215 sec				420 sec				840 sec				1690 sec				3450 sec				6790 sec			
		30 fps	71 sec				140 sec				280 sec				560 sec				1160 sec				2280 sec			

FZ7		128MB			256MB			512MB			1GB			2GB			
Aspect Ratio	Still Image	TIFF			TIFF			TIFF			TIFF			TIFF			
4 : 3	2816 x 2112 (6M)	6	41	82	12	81	160	25	160	320	51	320	640	100	640	1270	
	2304 x 1728 (4M)	9	61	120	19	120	230	38	240	470	76	480	940	150	970	1860	
	2048 x 1536 (3M)	12	78	150	24	150	290	48	300	590	96	600	1180	195	1220	2360	
	1600 x 1200 (2M)	20	125	240	39	240	470	78	480	940	155	970	1880	310	1920	3610	
	1280 x 960 (1M)	31	190	350	61	370	690	120	730	1370	240	1470	2740	490	2920	5120	
3 : 2	640 x 480 (0.3M)	115	600	970	230	1170	1900	450	2320	3770	910	4640	7550	1800	8780	12290	
	2816 x 1880 (5M)	7	46	92	14	91	180	28	180	350	57	360	710	115	730	1420	
	2048 x 1360 (2.5M)	13	88	165	27	170	330	54	340	650	105	680	1310	210	1360	2560	
	2816 x 1584 (4.5M)	8	55	105	17	105	210	33	210	420	67	430	850	135	870	1700	
	1920 x 1080 (2M)	18	115	220	36	230	430	72	450	860	145	910	1720	290	1800	3410	
16 : 9	Moving Image																
4 : 3	640 x 480	10 fps	250 sec			490 sec			980 sec			1970 sec			4020 sec		
		30 fps	80 sec			160 sec			320 sec			640 sec			1350 sec		
		10 fps	740 sec			1440 sec			2870 sec			5700 sec			11700 sec		
	320 x 240	30 fps	250 sec			490 sec			980 sec			1970 sec			4020 sec		
		10 fps	217 sec			420 sec			840 sec			1690 sec			3450 sec		
16 : 9	848 x 480	30 fps	71 sec			140 sec			280 sec			560 sec			1160 sec		

LZ5/LZ3/LS2		Built-in Memory (Approx. 14MB)			128MB			256MB			512MB			1GB			2GB			
Aspect Ratio	Still Image	LZ5			LZ3			LZ5			LZ3			LZ5						
4 : 3	2816 x 2112 (6M)	4	8	41	82	81	160	160	320	320	640	640	1270	2510	2510	2510	2510			
	2560 x 1920 (5M)	5	10	50	99	98	190	195	380	390	770	790	1530	3010	3010	3010	3010			
	2048 x 1536 (3M)	8	16	78	150	150	290	300	590	600	1180	1220	2360	4640	4640	4640	4640			
	1600 x 1200 (2M)	13	27	125	240	240	470	480	940	970	1880	1920	3610	7090	7090	7090	7090			
	1280 x 960 (1M)	20	39	190	350	370	690	730	1370	1470	2740	2920	5120	10050	10050	10050	10050			
3 : 2	640 x 480 (0.3M)	67	110	600	970	230	1170	1900	450	2320	3770	910	4640	7550	1800	8780	12290			
	2816 x 1880 (5M)	4	9	46	92	91	180	180	350	360	710	730	1420	2800	2800	2800	2800			
	2560 x 1712 (4.5M)	5	11	56	110	110	210	210	430	440	860	890	1700	3350	3350	3350	3350			
	2048 x 1360 (2.5M)	9	18	88	165	170	330	340	650	680	1310	1360	2560	5020	5020	5020	5020			
	2816 x 1584 (5M)	5	11	55	105	105	210	210	420	430	850	870	1700	3350	3350	3350	3350			
16 : 9	2560 x 1440 (3.5M)	6	14	66	130	130	250	250	510	520	1020	1040	2020	4020	4020	4020	4020			
1920 x 1080 (2M)	12	24	115	220	230	430	450	860	910	1720	1800	3410	6700	6700	6700	6700				
4 : 3	Moving Image																			
	640 x 480	10 fps	-			250 sec			490 sec			980 sec			1970 sec			4020 sec		
		30 fps	-			80 sec			160 sec			320 sec			640 sec			1350 sec		
		10 fps	81 sec			740 sec			1440 sec			2870 sec			5700 sec			11700 sec		
	320 x 240	30 fps	25 sec			250 sec			490 sec			980 sec			1970 sec			4020 sec		
10 fps		-			215 sec			420 sec			840 sec			1690 sec			3450 sec			

LX2		Built-in Memory (Approx. 13MB)				128MB			256MB			512MB			1GB			2GB			4GB		
Aspect Ratio	Still Image	RAW			RAW			RAW			RAW			RAW			RAW			RAW			
4 : 3	3648 x 2736 (7.5M)	0	2	6	5	32	65	10	64	125	21	125	250	42	250	510	87	520	1020	170	1030	2010	
	2880 x 2160 (6M)	-	3	7	-	39	79	-	78	150	-	155	300	-	310	610	-	630	1220	-	1240	2410	
	2304 x 1728 (4M)	-	5	12	-	61	120	-	120	230	-	240	470	-	480	940	-	970	1860	-	1910	3650	
	2048 x 1536 (3M)	-	7	15	-	78	150	-	150	290	-	300	590	-	600	1180	-	1220	2360	-	2410	4640	
	1600 x 1200 (2M)	-	12	25	-	125	240	-	240	470	-	480	940	-	970	1180	-	1920	3610	-	3770	7090	
3 : 2	1280 x 960 (1M)	-	19	36	-	190	350	-	370	690	-	730	1370	-	1470	2740	-	2920	5120	-	5740	10050	
	3568 x 2376 (8.5M)	0	2	5	5	29	58	10	57	110	21	140	220	42	230	450	86	460	910	165	910	1800	
	3248 x 2160 (7M)	-	3	6	-	35	70	-	69	135	-	135	270	-	270	540	-	560	1090	-	1100	2150	
	2560 x 1712 (4.5M)	-	5	11	-	56	110	-	110	210	-	210	430	-	440	860	-	890	1700	-	1740	3350	
	2048 x 1360 (2.5M)	-	8	17	-	88	165	-	170	330	-	340	650	-	680	1310	-	1360	2560	-	2680	5020	
16 : 9	4224 x 2376 (10M)	0	1	4	5	24	49	10	48	97	20	97	190	41	190	380	84	390	770	165	770	1520	
	3840 x 2160 (8M)	-	2	5	-	29	59	-	58	115	-	115	230	-	230	460	-	470	930	-	930	1820	
	3072 x 1728 (5.5M)	-	4	9	-	46	92	-	91	180	-	180	350	-	360	710	-	730	1420	-	1450	2800	
	1920 x 1080 (2M)	-	11	22	-	115	220	-	230	430	-	450	860	-	910	1720	-	1800	3410	-	3540	6700	
Aspect Ratio Moving Image																							
4 : 3	640 x 480	10 fps	-			250 sec			490 sec			980 sec			1970 sec			4020 sec			7910 sec		
		30 fps	-			83 sec			165 sec			330 sec			660 sec			1350 sec			2660 sec		
	320 x 240	10 fps	75 sec			740 sec			1440 sec			2870 sec			5750 sec			11700 sec			22970 sec		
30 fps		24 sec			250 sec			490 sec			980 sec			1970 sec			4020 sec			7910 sec			
16 : 9	1280 x 720	15 fps	-			61 sec			120 sec			240 sec			490 sec			1010 sec			2000 sec		
		10 fps	-			215 sec			420 sec			840 sec			1690 sec			3450 sec			6790 sec		
	848 x 480	30 fps	-			71 sec			140 sec			280 sec			560 sec			1160 sec			2280 sec		